

# TRAC2 4.2.1.2

## 4.2.1.2 - The repository shall have a definition of each AIP that is adequate for long-term preservation, enabling the identification and parsing of all the required components within that AIP.

### Introduction

For journal content, SP designed a single class of AIP to be adequate for long-term preservation. SP implements the AIP through a combination of files and databases, linked by uniform identifiers. To support the preservation needs of the repository, the AIP includes a number of components:

- A Content Data Object in PDF format or another well known, widely accepted format that supports long-term preservation and migration
- Representation Information - contains information on the CDO's file format, version, and a reference to its standard in a format registry
- Packaging Information - SP's version of METS holds the Descriptive Information and the Preservation Description Information
- Descriptive Information - SP normalizes the Provider's descriptive metadata and structural relationships to a version of the NLM Journal Archiving & Interchange Tag Set
- Preservation Description Information
  - Reference Information - URIs and other identifiers are stored for each article in the associated metadata
  - Provenance Information - uses PREMIS vocabulary to record events in the life of the AIP, at both the file and article levels, and to manage Representation Information
  - Context Information - information on how a CDO relates to other CDOs or to other conceptual entities is found primarily in the descriptive metadata contributed by a provider. SP generates some context information as a part of the preservation metadata
  - Fixity Information - checksums generated at the time of ingest

### Responsibility

*Digital Preservation Policy Librarian*

### Relevant Documents

1. [Definitions of AIP](#)
2. [Metadata Specifications](#)